

Fig. 1

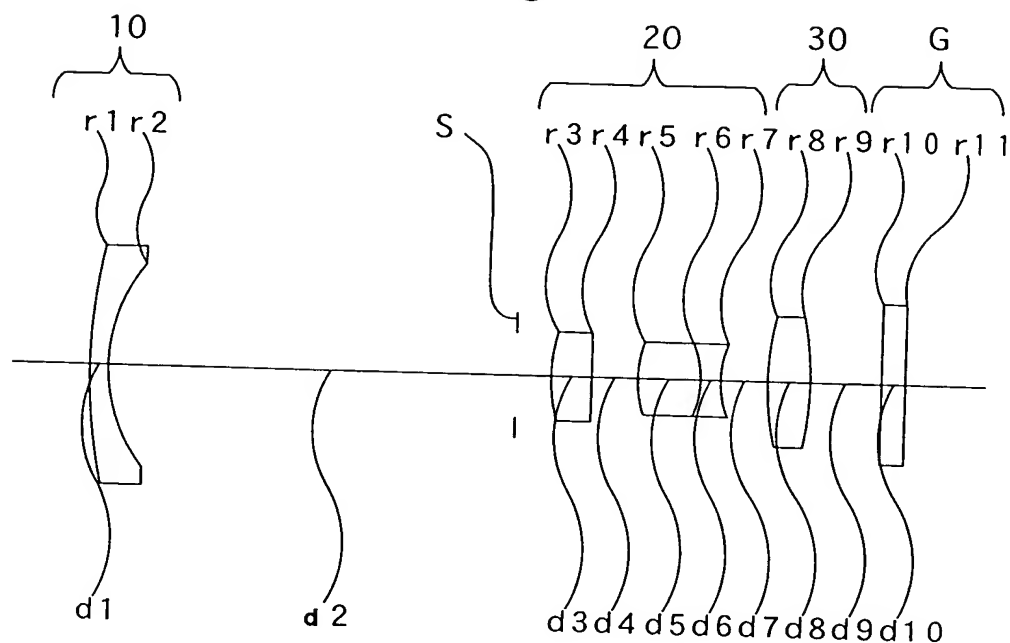


Fig.2A

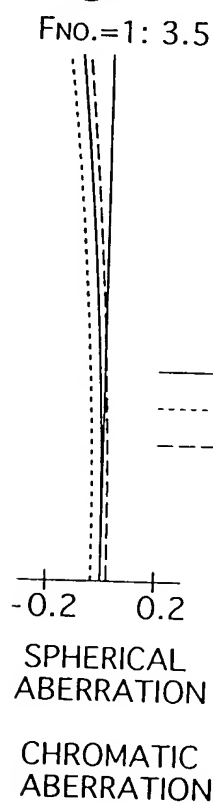


Fig.2B

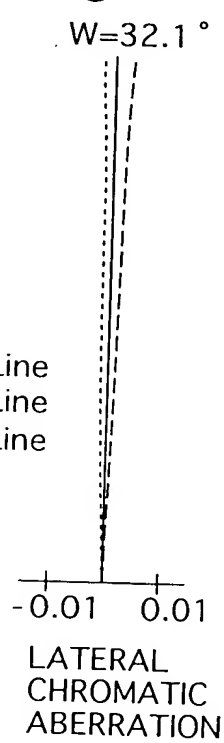


Fig.2C

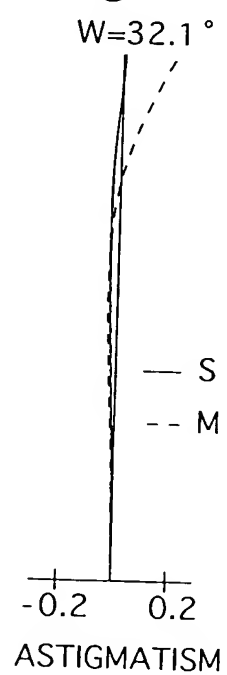


Fig.2D

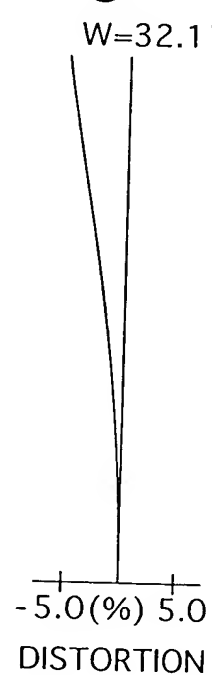
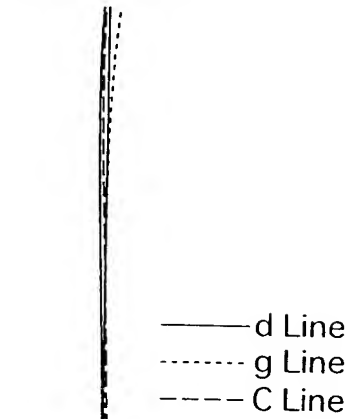


Fig. 3A

FNO.= 1: 3.9



-0.2 0.2
SPHERICAL
ABERRATION
CHROMATIC
ABERRATION

Fig. 3B

W= 23.8 °

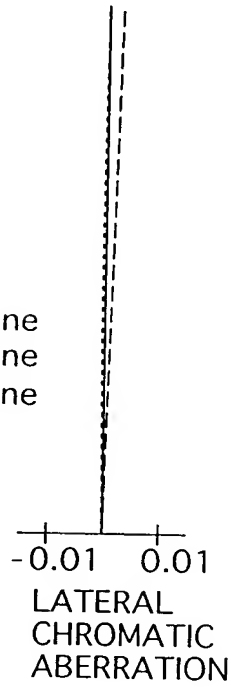


Fig. 3C

W= 23.8 °

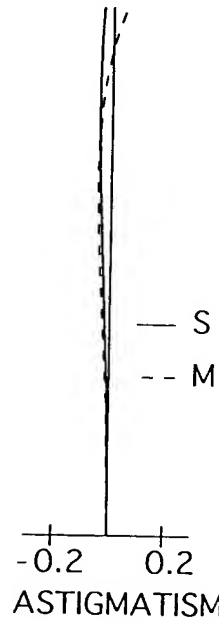


Fig. 3D

W= 23.8 °

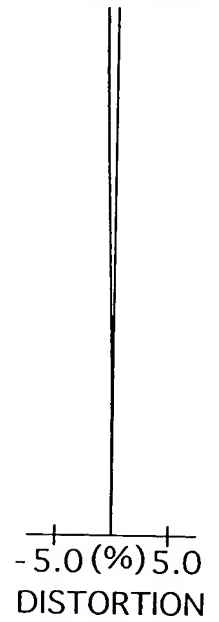
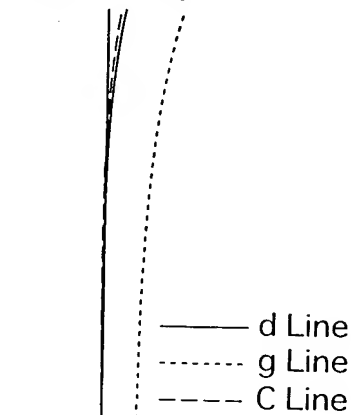


Fig. 4A

FNO.= 1: 4.6



-0.2 0.2
SPHERICAL
ABERRATION
CHROMATIC
ABERRATION

Fig. 4B

W= 17.6 °

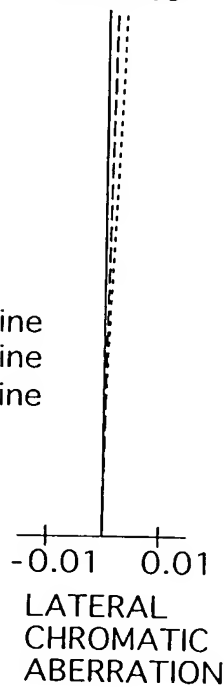


Fig. 4C

W= 17.6 °

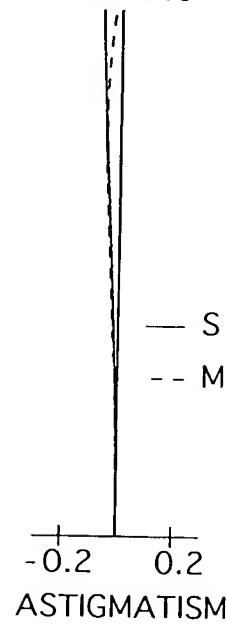


Fig. 4D

W= 17.6 °

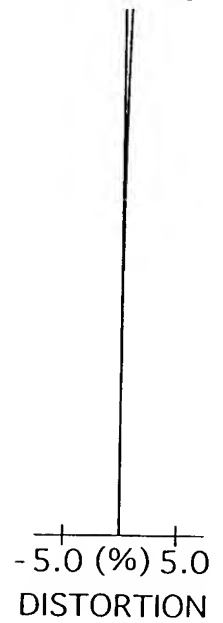


Fig. 5

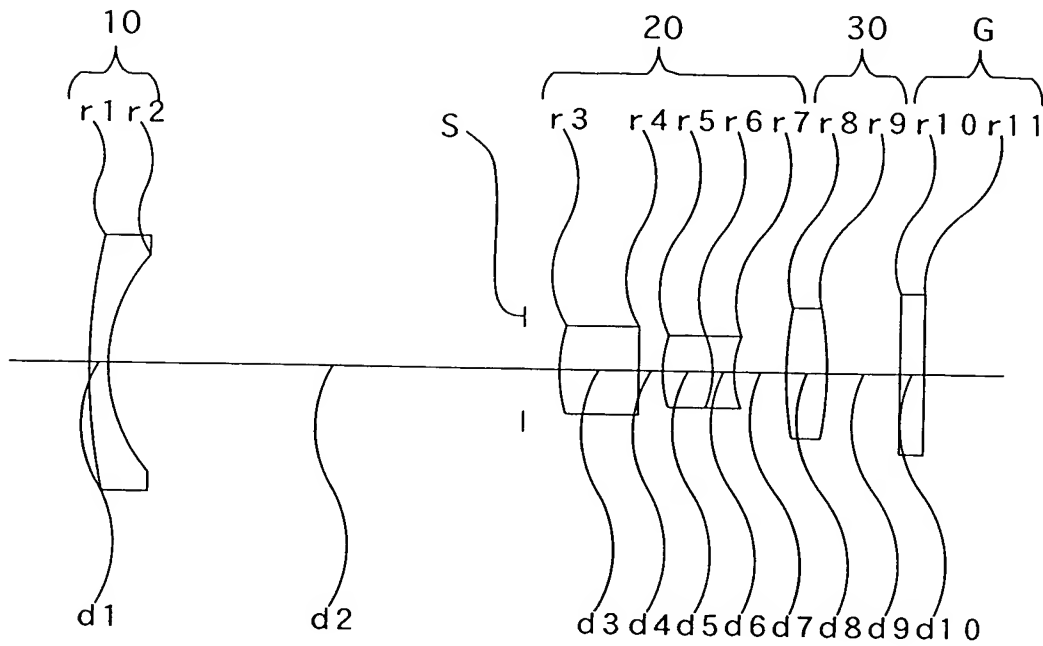


Fig. 6A

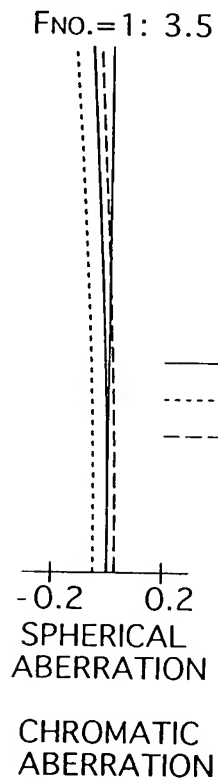


Fig. 6B

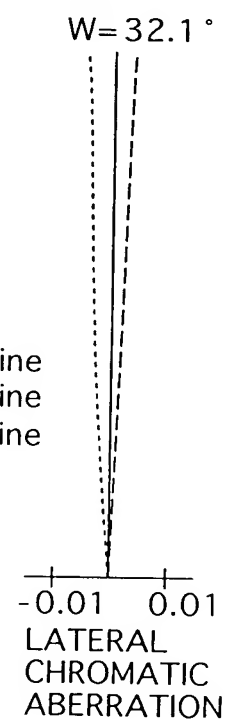


Fig. 6C

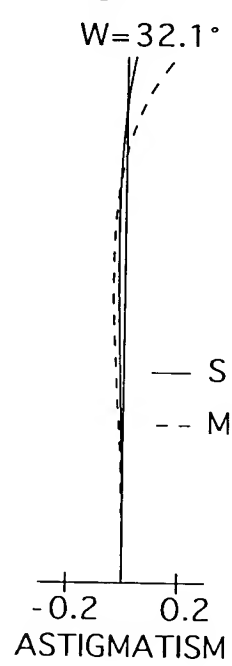


Fig. 6D

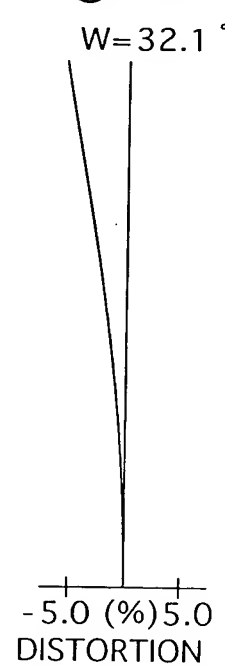
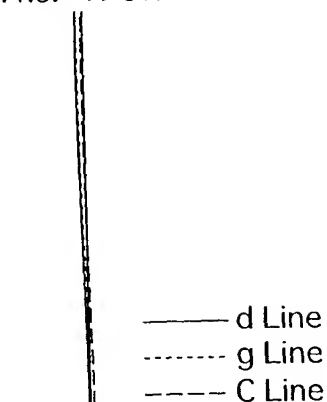


Fig. 7A

FNO.=1: 3.9

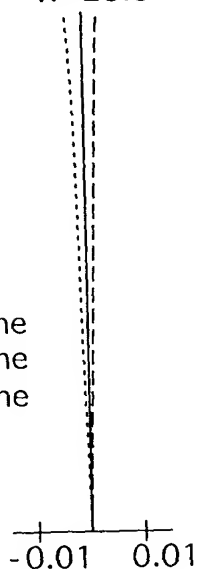


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 7B

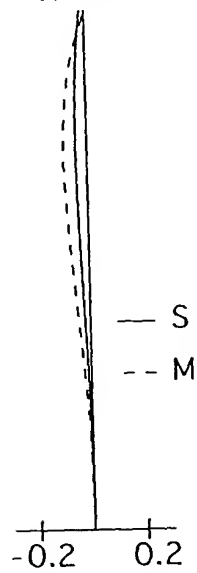
W=23.8°



LATERAL
CHROMATIC
ABERRATION

Fig. 7C

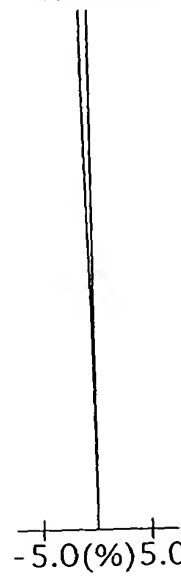
W=23.8°



ASTIGMATISM

Fig. 7D

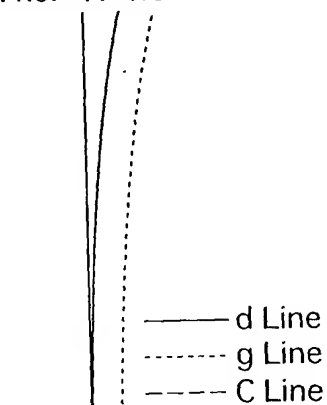
W=23.8°



DISTORTION

Fig. 8A

FNO.=1: 4.5

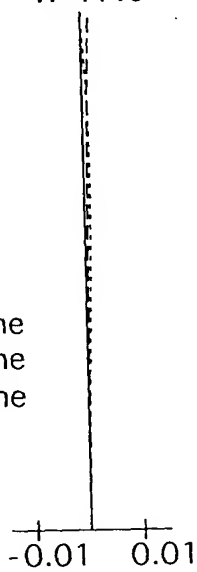


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig. 8B

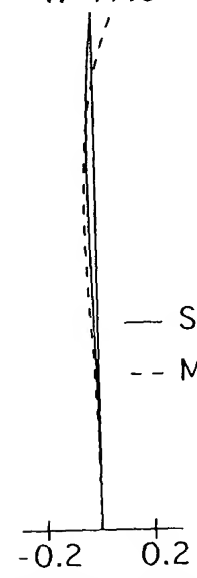
W=17.6°



LATERAL
CHROMATIC
ABERRATION

Fig. 8C

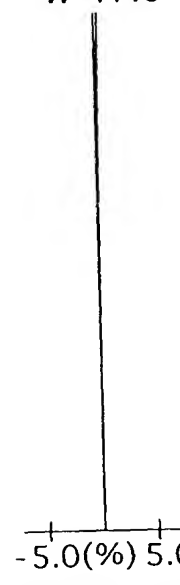
W=17.6°



ASTIGMATISM

Fig. 8D

W=17.6°



DISTORTION

Fig. 9

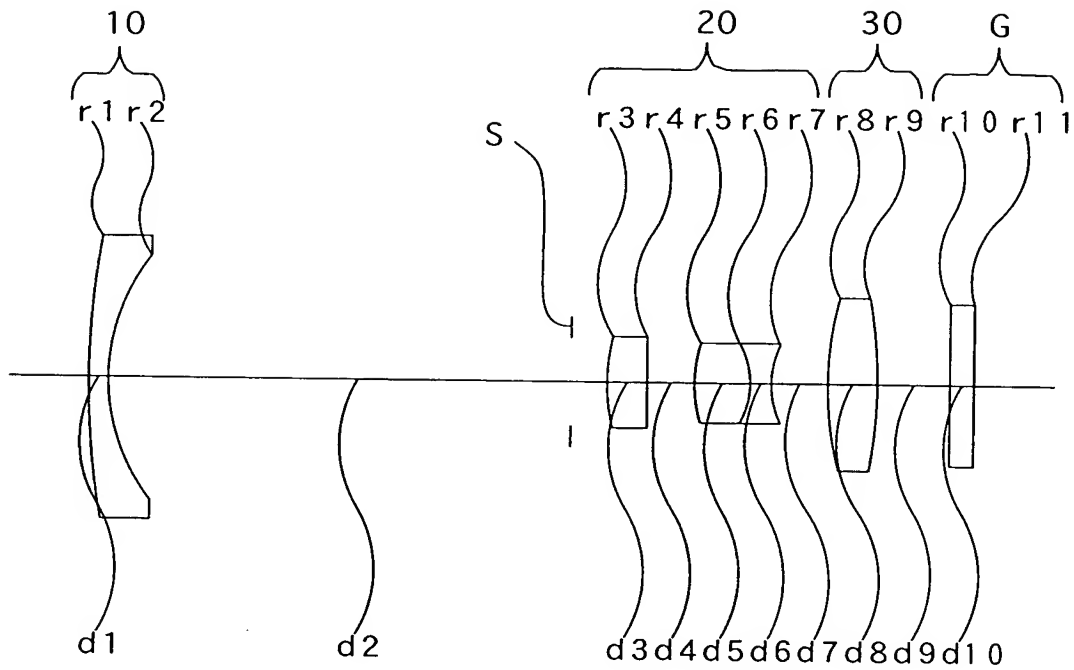


Fig.10A

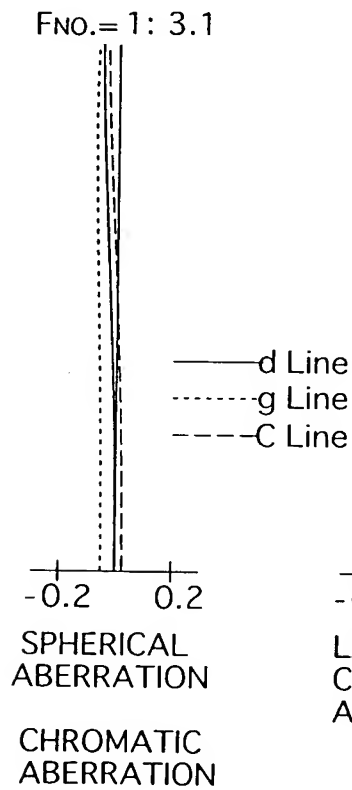


Fig.10B

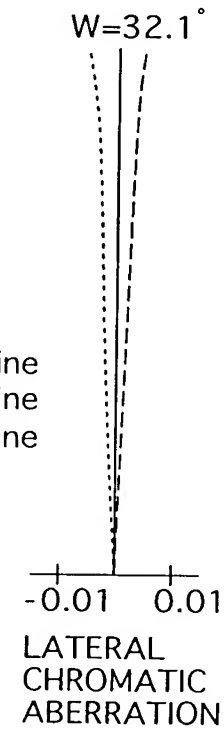


Fig.10C

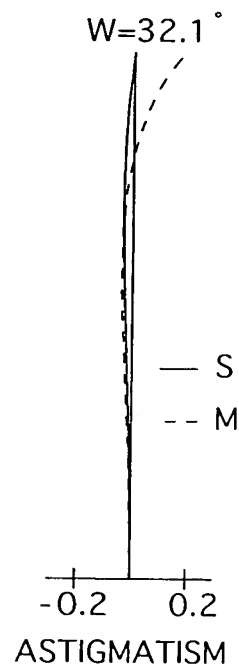


Fig.10D

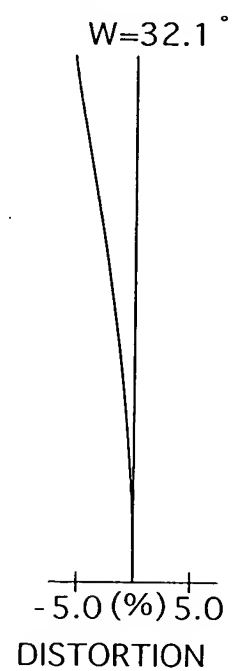
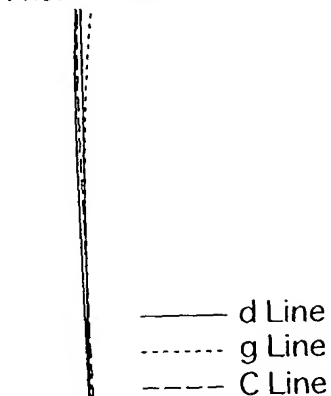


Fig.11A

FNO.=1: 3.7



-0.2 0.2
 SPHERICAL
 ABERRATION

CHROMATIC
 ABERRATION

Fig.11B

W=23.8°

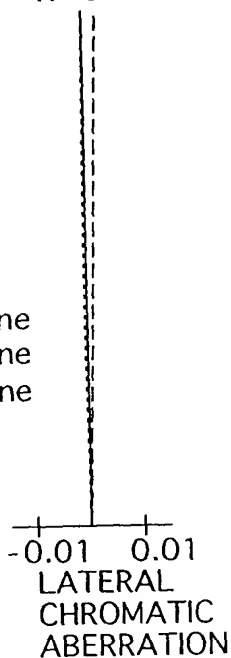
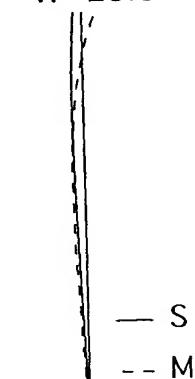


Fig.11C

W=23.8°



-0.2 0.2
 ASTIGMATISM

Fig.11D

W=23.8°

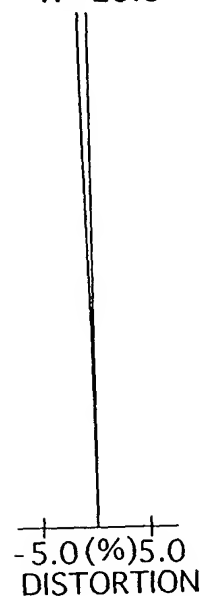
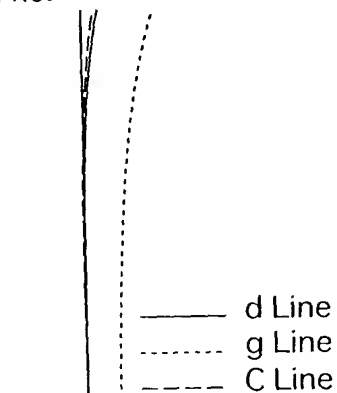


Fig.12A

FNO.=1: 4.5



-0.2 0.2
 SPHERICAL
 ABERRATION

CHROMATIC
 ABERRATION

Fig.12B

W=17.6°

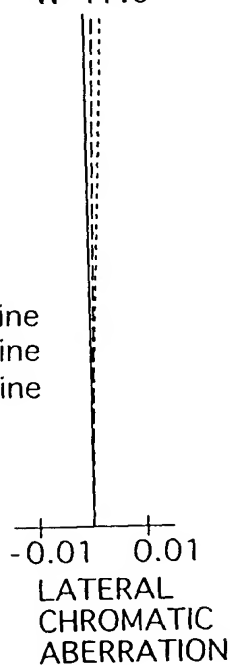
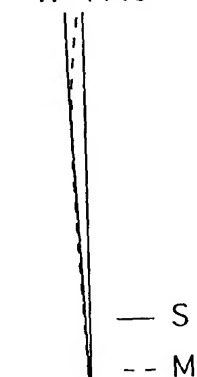


Fig.12C

W=17.6°



-0.2 0.2
 ASTIGMATISM

Fig.12D

W=17.6°

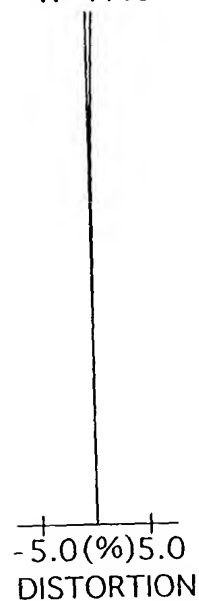


Fig. 13

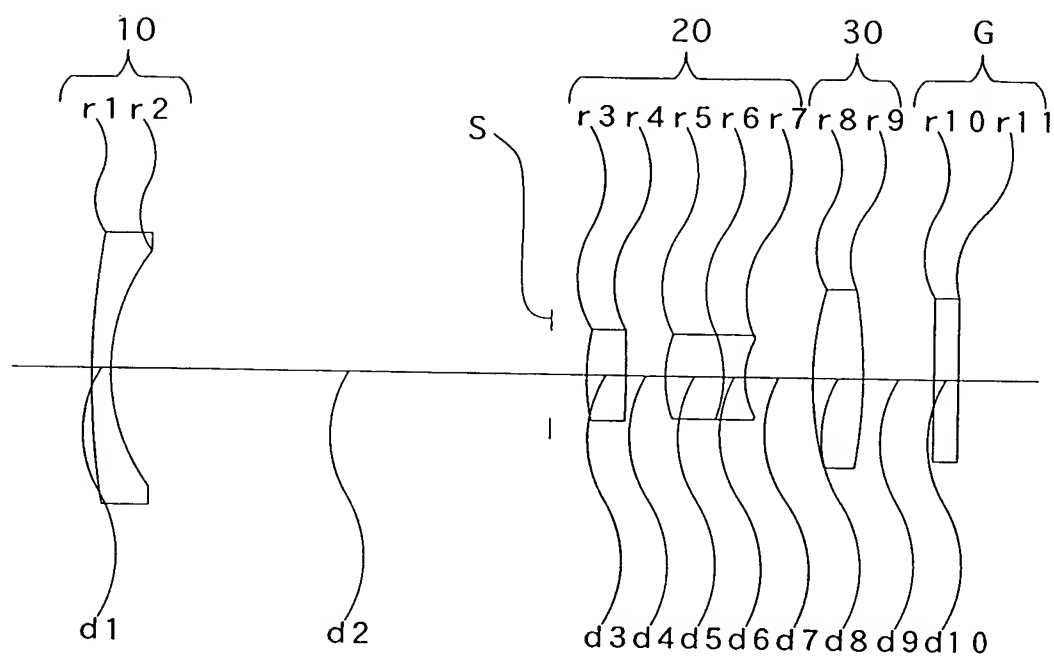
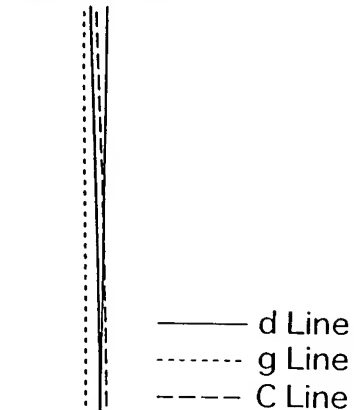


Fig. 14A

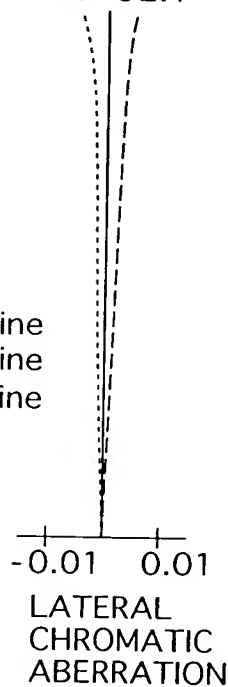
FNO.=1: 3.1



SPHERICAL
ABERRATION
CHROMATIC
ABERRATION

Fig. 14B

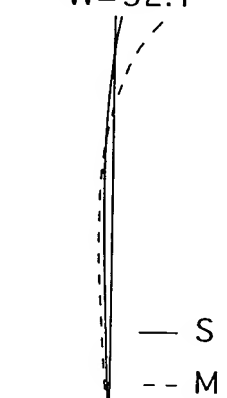
W=32.1°



LATERAL
CHROMATIC
ABERRATION

Fig. 14C

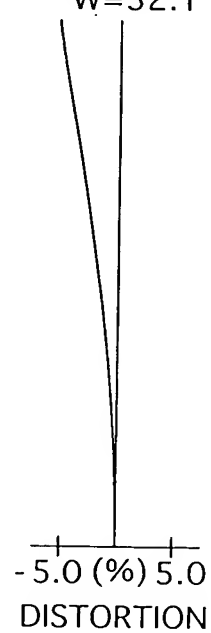
W=32.1°



ASTIGMATISM

Fig. 14D

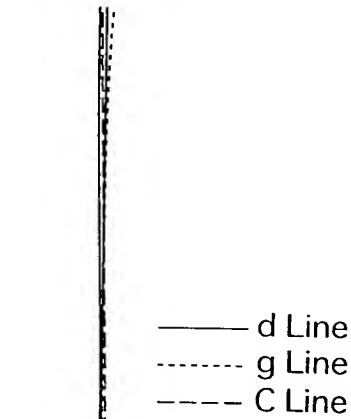
W=32.1°



DISTORTION

Fig.1 5A

FNO.= 1: 3.7

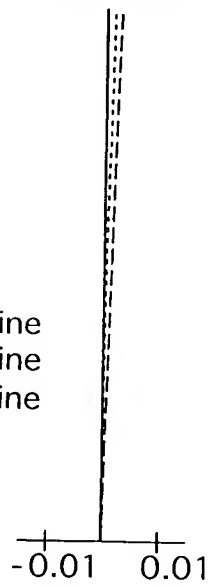


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig.1 5B

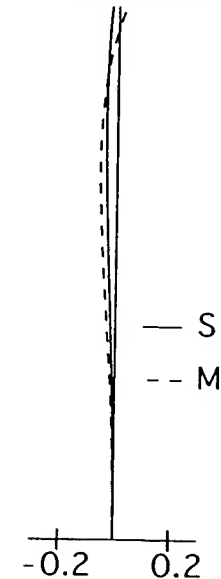
W=23.8 °



LATERAL
CHROMATIC
ABERRATION

Fig.1 5C

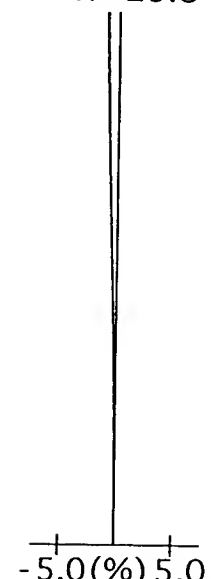
W=23.8 °



ASTIGMATISM

Fig.1 5D

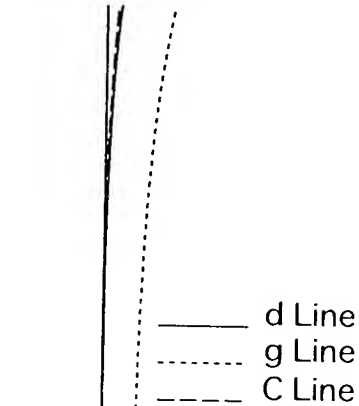
W=23.8 °



DISTORTION

Fig.1 6A

FNO.= 1: 4.5

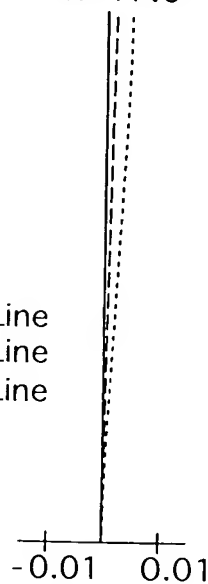


SPHERICAL
ABERRATION

CHROMATIC
ABERRATION

Fig.1 6B

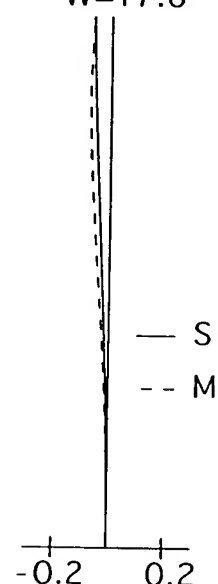
W=17.6 °



LATERAL
CHROMATIC
ABERRATION

Fig.1 6C

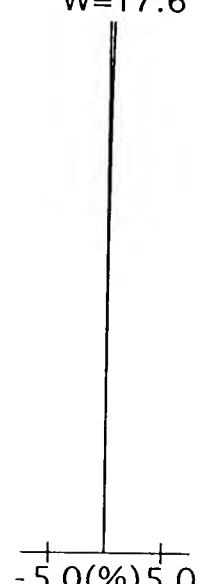
W=17.6 °



ASTIGMATISM

Fig.1 6D

W=17.6 °



DISTORTION

Fig. 17

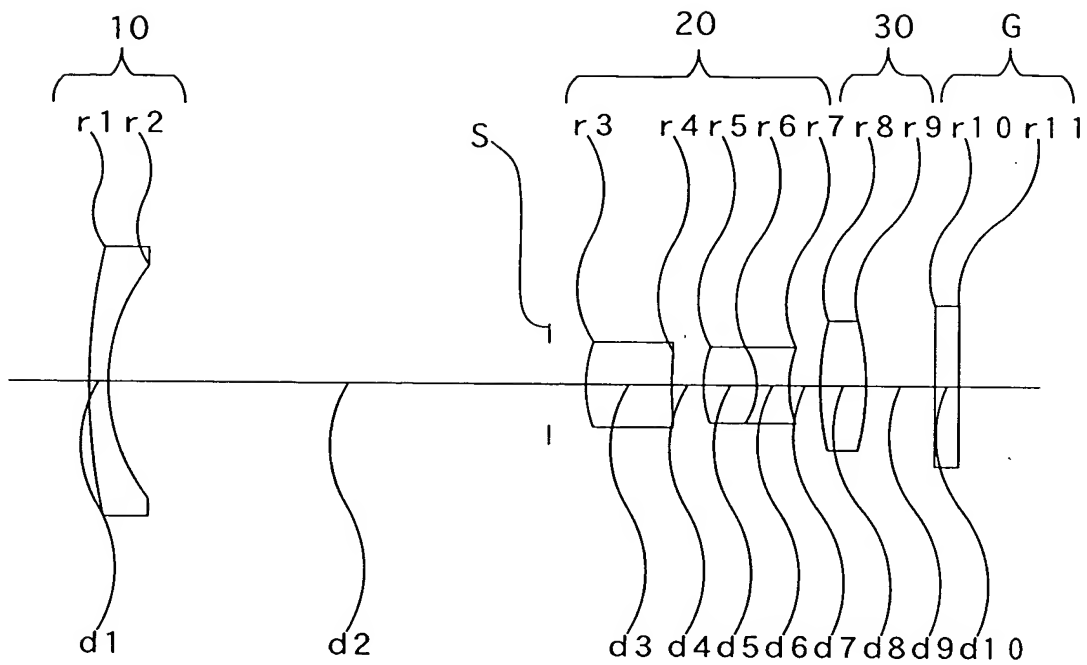


Fig.18A

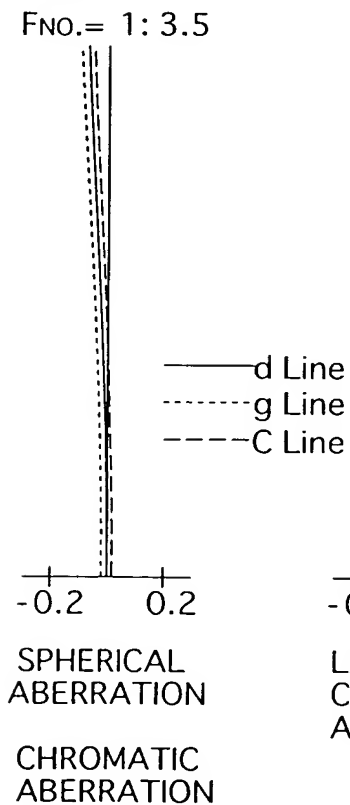


Fig.18B

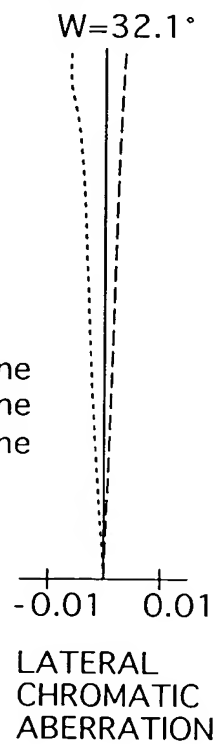


Fig.18C

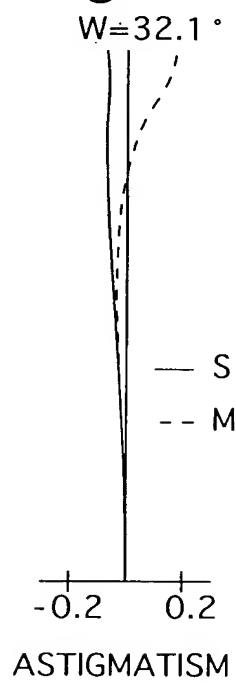


Fig.18D

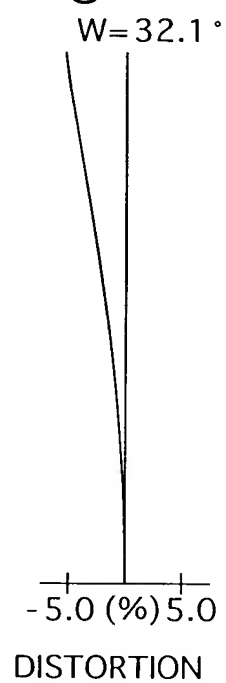
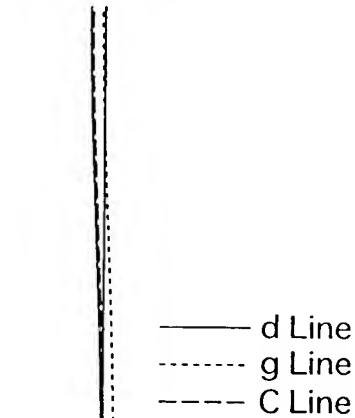


Fig.19A

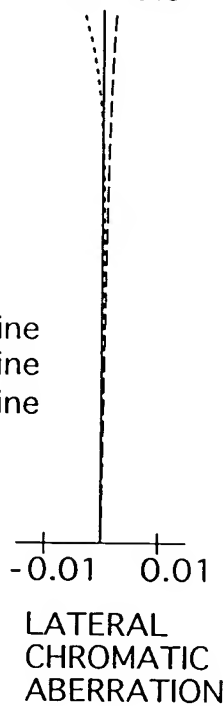
FNO.= 1: 3.9



-0.2 0.2
SPHERICAL
ABERRATION
CHROMATIC
ABERRATION

Fig.19B

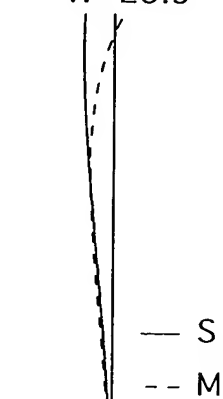
W= 23.9°



-0.01 0.01
LATERAL
CHROMATIC
ABERRATION

Fig.19C

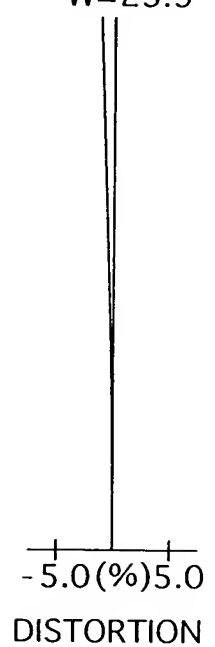
W=23.9°



-0.2 0.2
ASTIGMATISM

Fig.19D

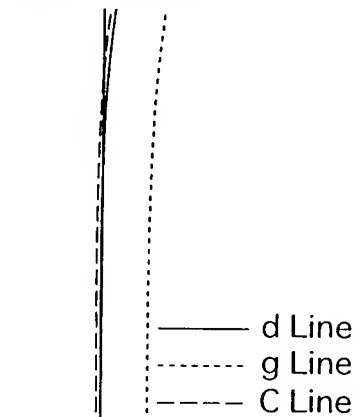
W=23.9°



-5.0(%) 5.0
DISTORTION

Fig.20A

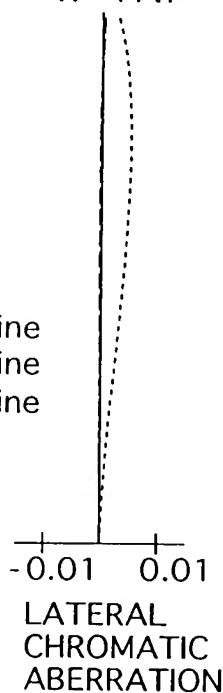
FNO.= 1: 4.5



-0.2 0.2
SPHERICAL
ABERRATION
CHROMATIC
ABERRATION

Fig.20B

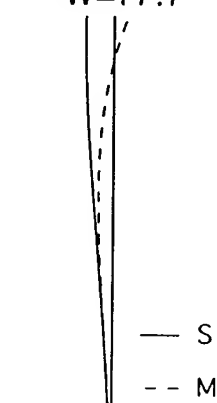
W=17.7°



-0.01 0.01
LATERAL
CHROMATIC
ABERRATION

Fig.20C

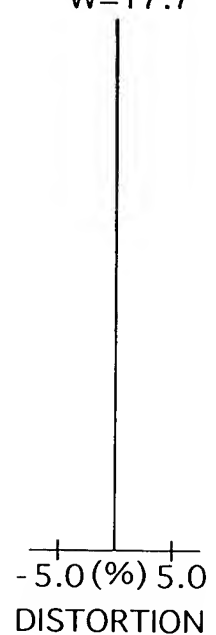
W=17.7°



-0.2 0.2
ASTIGMATISM

Fig.20D

W=17.7°



-5.0(%) 5.0
DISTORTION

Fig. 21

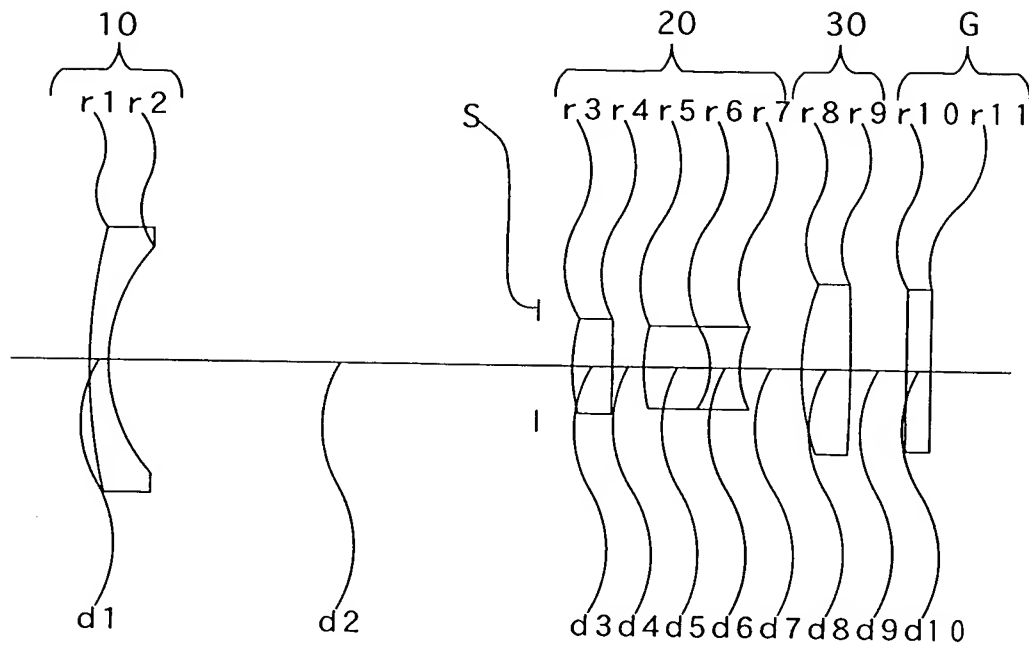


Fig.22A

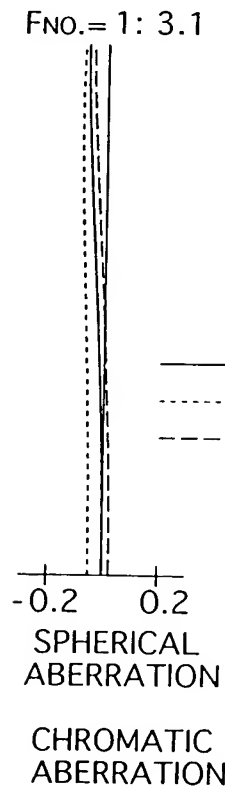


Fig.22B

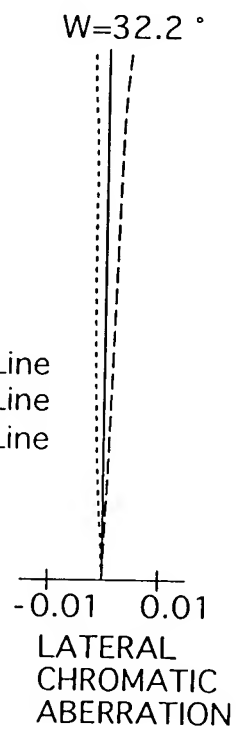


Fig.22C

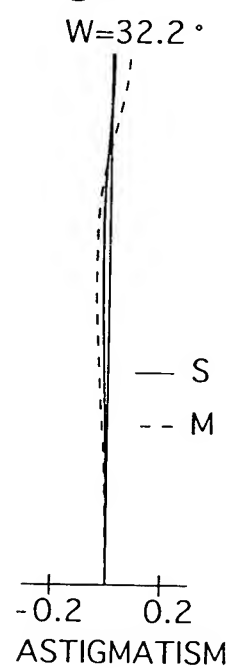


Fig.22D

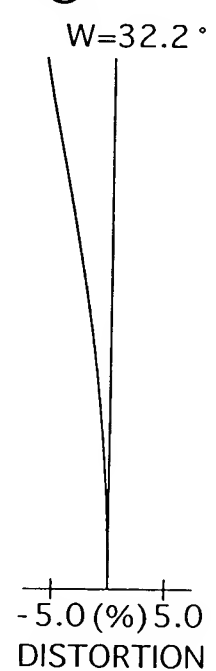
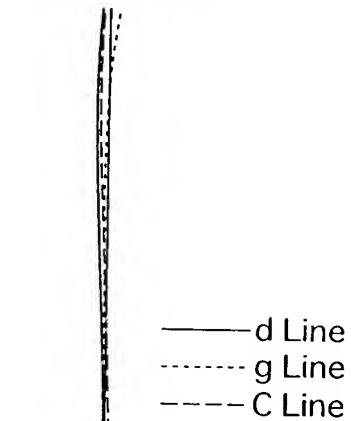


Fig.23A

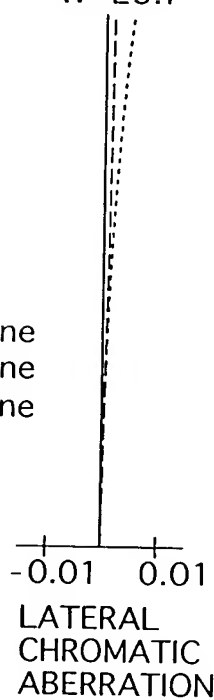
FNO.= 1: 3.6



-0.2 0.2
 SPHERICAL
 ABERRATION
 CHROMATIC
 ABERRATION

Fig.23B

W=23.7°



-0.01 0.01
 LATERAL
 CHROMATIC
 ABERRATION

Fig.23C

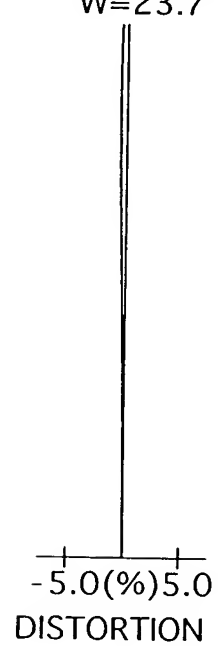
W=23.7°



-0.2 0.2
 ASTIGMATISM

Fig.23D

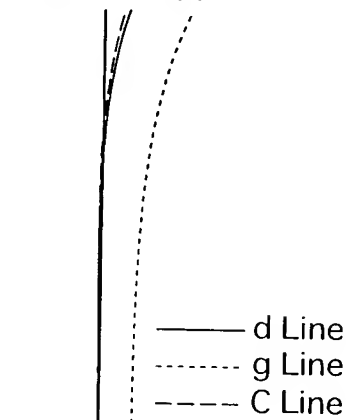
W=23.7°



-5.0(%) 5.0
 DISTORTION

Fig.24A

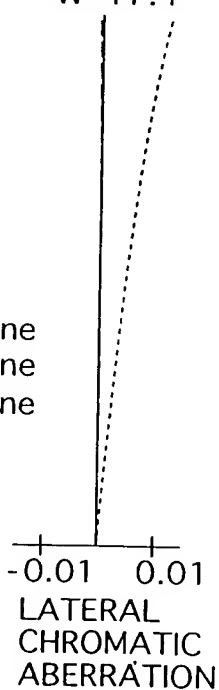
FNO.= 1: 4.4



-0.2 0.2
 SPHERICAL
 ABERRATION
 CHROMATIC
 ABERRATION

Fig.24B

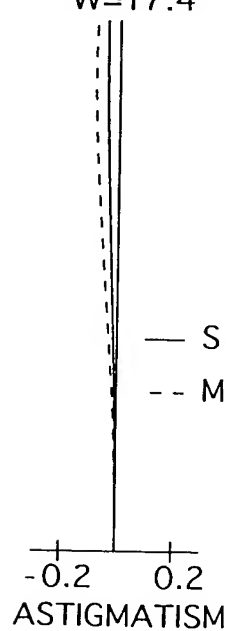
W=17.4°



-0.01 0.01
 LATERAL
 CHROMATIC
 ABERRATION

Fig.24C

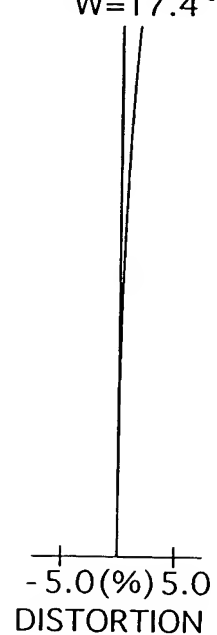
W=17.4°



-0.2 0.2
 ASTIGMATISM

Fig.24D

W=17.4°



-5.0(%) 5.0
 DISTORTION

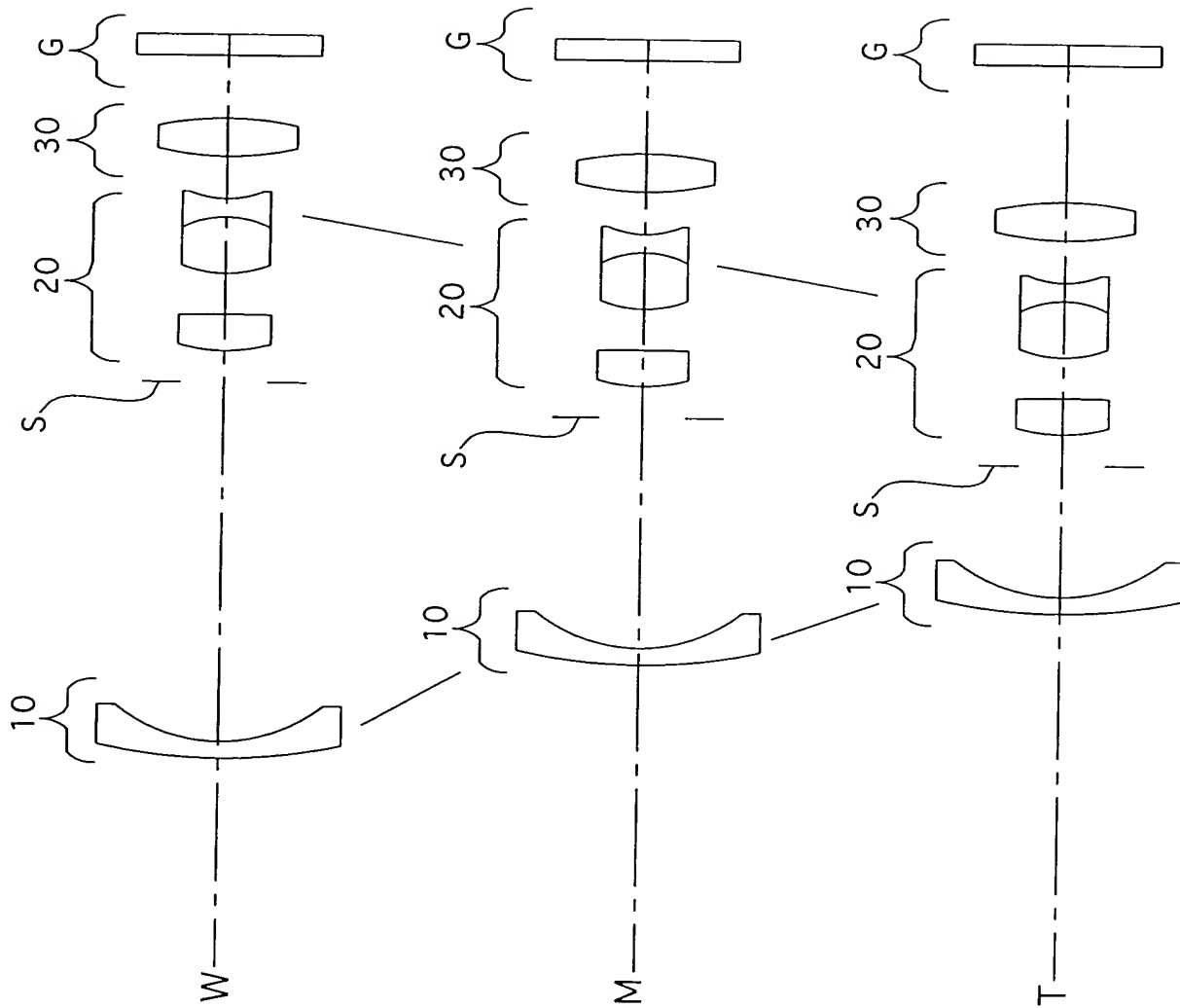


Fig. 25

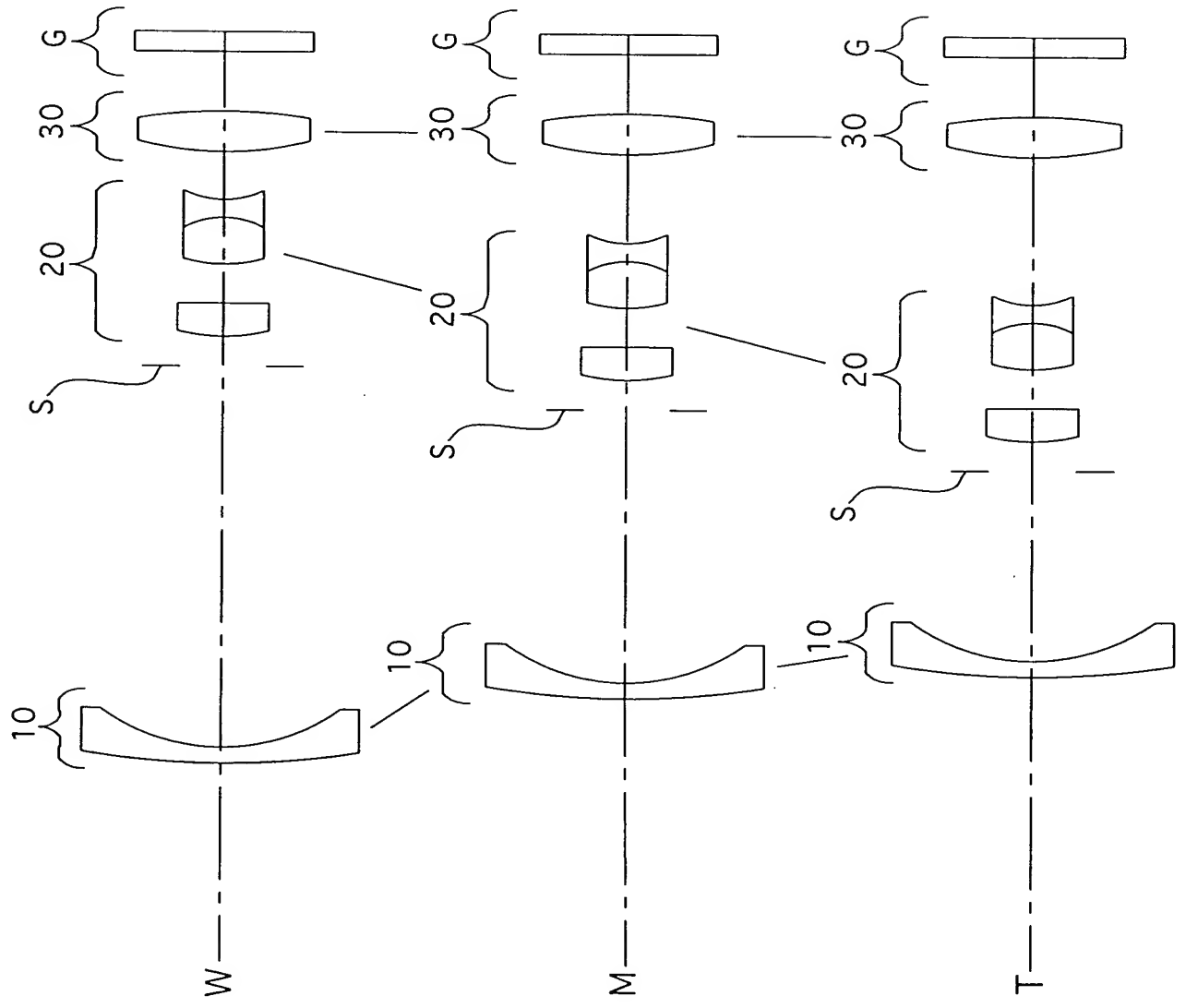


Fig. 26